

Claim Rejections - 35 USC §102

Claims 1-18

In the Office Action, the Examiner rejects Claims 1-18 under 35 USC §102(e) as being unpatentable over US publication no. 2002/0044124 (Yamazaki et al.). This rejection is respectfully traversed.

Independent Claim 1 of the present application is directed to a display device with a plurality of pixels arranged in a pixel portion, wherein each column has four or more data lines in the pixel portion, while independent Claim 2 is directed to a display device with a plurality of pixels arranged in a pixel portion, wherein two or more data lines are placed in each of the plural pixels. Independent Claim 4 is directed to a display device wherein x data lines (x is a natural number equal to or larger than 4) out of the plural data lines are placed in each column, while independent Claim 5 is directed to a display device in which x data lines (x is a natural number equal to or larger than 4) are placed in each column.

In the Office Action, the Examiner cites Figs. 3 and 5 in Yamazaki as allegedly disclosing the device of independent Claims 1, 2, 4, and 5. However, Yamazaki discloses in Figs. 3 and 5 each column having one data line. In particular, Yamazaki states that pixel portion 103 has pixels 114. See e.g. paras. [0070] and [0077] of Yamazaki. Each column (of pixels) in the pixel portion has one data line. See e.g. para. [0070] which states “A region containing one of source signal lines, one of gate signal lines, and one of electric power source supply lines in the pixel portion 103 denotes a pixel 114.” This also applies to Fig. 5 in Yamazaki.

Therefore, Yamazaki does not disclose or suggest the device of independent Claims 1, 2, 4 or 5, and therefore, Claims 1-18 are patentable thereover. Accordingly, it is respectfully requested that this rejection be withdrawn.

Claims 19-20

The Examiner also rejects Claims 19-20 under 35 USC §102(e) as being unpatentable over US publication no. 2001/0035863 (Kimura et al.). This rejection is also respectfully traversed.

Independent Claim 19 of the present application is directed to a driving method of a display device that has x data lines (x being a natural number equal to or larger than 2) out of plural data lines being placed in each column and x scanning lines, while independent Claim 20 is directed to a driving method of a display device having x data lines placed in each column and x scanning lines.

In contrast, while the examiner cites Fig. 5 in the rejection, Kimura states "The electric potential of a gate signal line 306 and the reset signal line 312 in a certain frame period are shown in Fig. 5." See para. [0126] in Kimura. As shown in Figs. 3B and 13B in Kimura, the gate signal line 306/1305 and the data line 307/1306 are one in each column.

Therefore, Kimura does not disclose or suggest the method of independent Claims 19 and 20, and therefore, these claims are patentable thereover. Accordingly, it is respectfully requested that this rejection be withdrawn.

Conclusion


It is respectfully submitted that the present application is a condition for allowance and should be allowed.

If any fee is due for this response, please charge our deposit account 50/1039.

Favorable reconsideration is earnestly solicited.

Respectfully submitted,

Date: April 25, 2005


Mark J. Murphy
Registration No. 34,225

COOK, ALEX, McFARRON, MANZO,
CUMMINGS & MEHLER, LTD.
200 West Adams Street
Suite 2850
Chicago, Illinois 60606
(312) 236-8500

Customer No. 000026568